USB 2.0 Ethernet Adapter

User's Manual

Safety Instructions

Always read the safety instructions carefully

- Keep this User's Manual for future reference
- Keep this equipment away from humidity
- If any of the following situation arises, get the equipment checked by a service technician:
  - The equipment has been exposed to moisture.
  - The equipment has been dropped and damaged.
  - The equipment has obvious sign of breakage.
  - The equipment has not been working well or you cannot get it work according to User's Manual.

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1. Introduction

The USB 2.0 to Fast Ethernet Adapter allows your computer instantly connect to a 10/100Mbps network through simply a USB port; no hassle to open up your computer case as is required for an internal card now! It's also an ideal USB-to-LAN alternative for gaming console that needs network access in an environment lacking wireless capability. Compared with USB 1.1 standard which offers 12 Mbps speed, the adapter's compliance with USB 2.0 (480Mbps) ensures true 10/100 Mbps network speed without any compromise. Furthermore, the adapter is in compact size and is USB bus-powered; it requires no external power adapter, so that you can use it without crowding your workspace at all.

Features

- Compliant with USB 2.0 and USB 1.1 specifications
- Compliant with IEEE 802.3 (10Base-T) and 802.3u (100Base-TX) standards
- Supports both full-duplex and half-duplex operations
- Supports suspend mode and remote wakeup via link-up and magic packet
- Powered by USB port. No external power adapter required
- Equips with diagnostic LEDs
- Plug & Play installation

Package Contents

Before installation, please check the items of the package. The package should contain the following items:

- USB2.0 Ethernet Adapter x1
- Driver CD x1
- Quick Installation Guide x1

System Requirements

- IBM compatible Pentium-233MHz or faster PC or Mac
- 64 MB RAM or more
- One available USB port
- Windows® 2000, XP, Vista 32/64-bit; Mac OS X 10.x

LED Status

LED	Color	Description
Power	Green	On for connection to a 100Mbps network. Off for connection to a 10Mbps or not connected.
Link	Green	LAN activity. Blinking when there is data flow between LAN and the host computer.

2. Installation

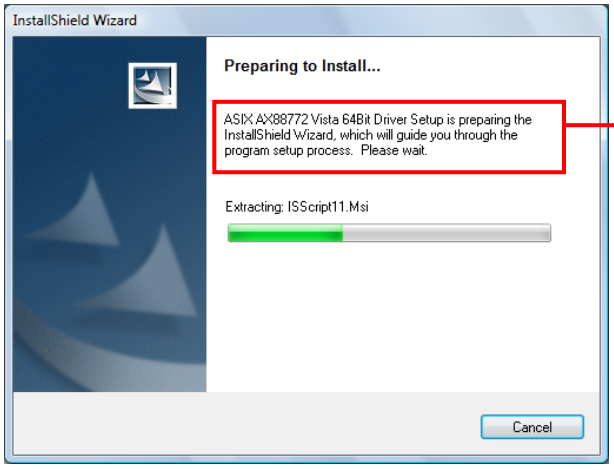
On Windows 2000/XP/Vista

Caution: DO NOT connect the Ethernet adapter to your computer before you install the provided driver. You will be instructed to do so later.

1. Insert the provided CD into your disc drive. Then locate and double-click the **setup.exe** file under **x:\Driver\Windows** where x is your disc drive letter.

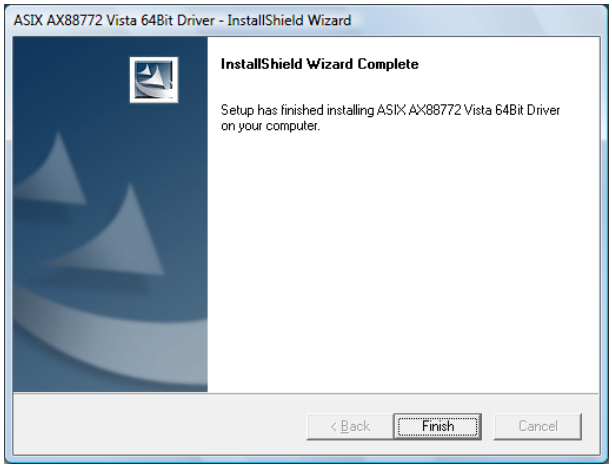
   On Windows Vista, click **Allow** at the User Account Control screen.

2. Wait a while for the program to install the driver.

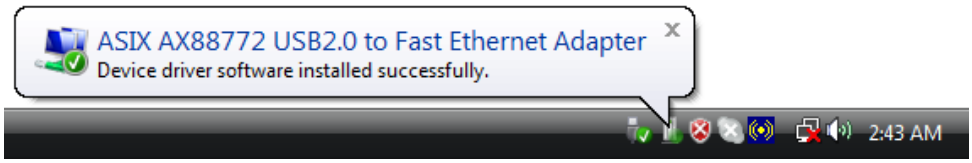

InstallShield Wizard
Preparing to Install...
ASIX AX88772 Vista 64Bit Driver Setup is preparing the InstallShield Wizard, which will guide you through the program setup process. Please wait.
Extracting: ISScript11.Msi
Cancel

Actual strings depend on your operation system. These screen shots are from Windows Vista and might vary slightly for each operation system.

3. When the installation is done, click **Finish**. (On Windows 2000, you will need to restart your computer as prompted.)


ASIX AX88772 Vista 64Bit Driver - InstallShield Wizard
InstallShield Wizard Complete
Setup has finished installing ASIX AX88772 Vista 64Bit Driver on your computer.
< Back
Finish
Cancel

4. Connect the Ethernet adapter's USB end to a free USB port of your computer. Then a pop-up message will appear in the notification area indicating the installation is complete.



Now the installation is complete. You can connect the adapter to a network device by an Ethernet cable:

1. Connect an Ethernet cable to the Ethernet port on the adapter.
2. Connect the other end of the Ethernet cable to your network hub, switch or router.

The Link LED should light up green to indicate a proper physical connection between the adapter and the network. If the Link LED doesn't light up, please verify the cable connections between all the network devices.

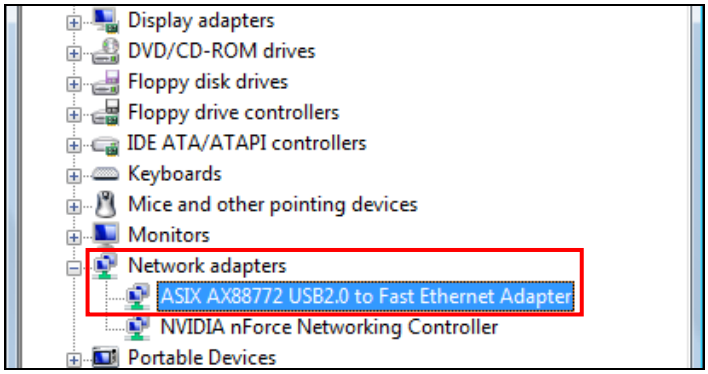
Verifying the Driver Installation on Windows

Once you finish the installation, you can open Windows **Device Manager** to verify if your Ethernet adapter is properly installed. To access the **Device Manager**:

- On Windows Vista: Right-click **Computer** on the desktop and click **Properties** > **Device Manager**.
- On Windows XP/2000: Right-click **My Computer** on the desktop and click **Properties** > (**Hardware**) > **Device Manager**.

In the **Network adapters** group, an item named **ASIX AX88772 USB2.0 to Fast Ethernet Adapter** should be displayed.

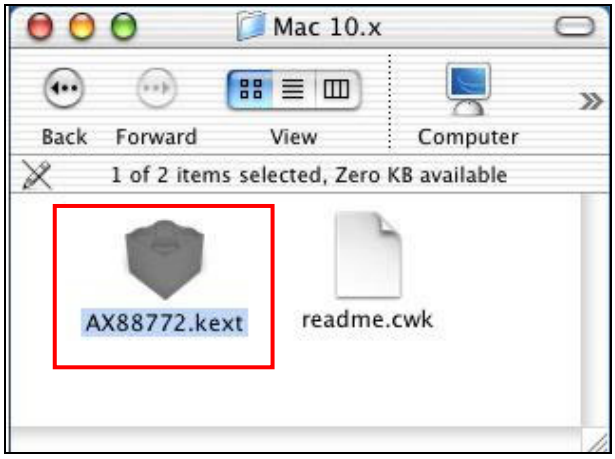
If there is a question or exclamation mark next to that item, then the driver is not properly installed. Please delete the item, select the **Delete the driver software for this device** option (if provided), unplug the adapter from your computer and then repeat the installation steps.



On MAC OS X 10.x

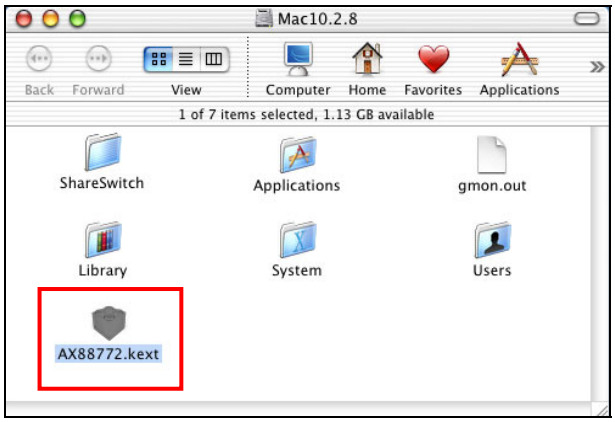
1. Insert the provided driver CD into your CD-ROM drive. Double-click the CD and navigate to the directory of **\Driver\Mac10.x**.

2. In the directory of **Mac10.x**, select and copy the folder named **AX88772.kext**.



3. On the desktop, double-click the start-up drive.

4. Paste the **AX88772.kext** to the root directory of the disk.

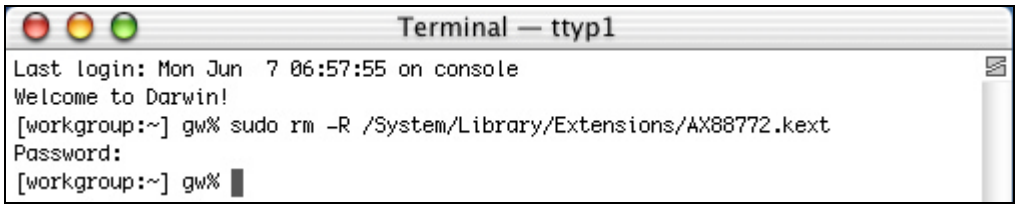


5. Open the terminal application by clicking **Go** > **Application** > **Utilities** > **Terminal**.

6. If there is one old driver in the **Extensions** directory, please remove it first by executing the command:

```
sudo rm -R /System/Library/Extensions/AX88772.kext
```

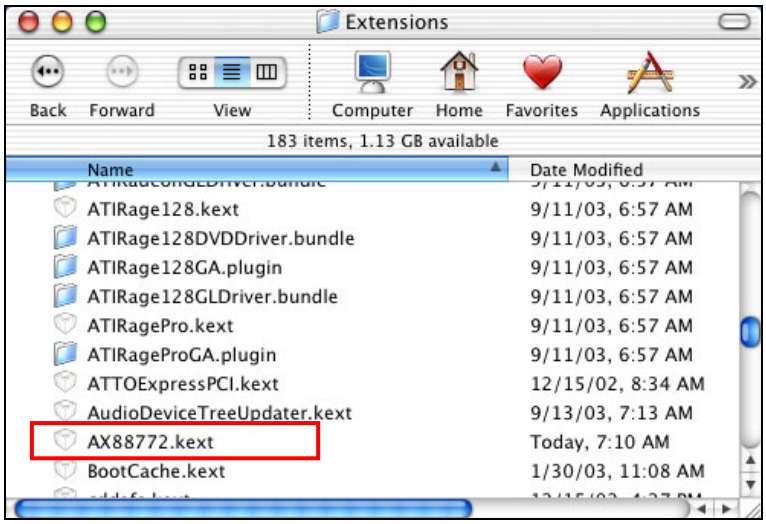
You will need to enter your password as prompted.



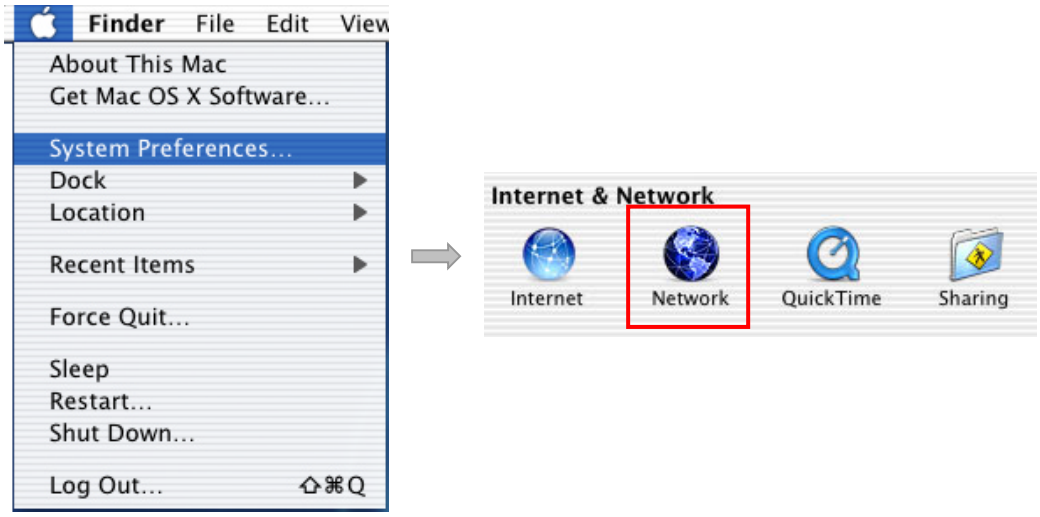
7. Paste the driver to the **Extensions** folder by the command line below:

```
sudo cp -R //AX88772.kext /System/Library/Extensions/AX88772.kext
```

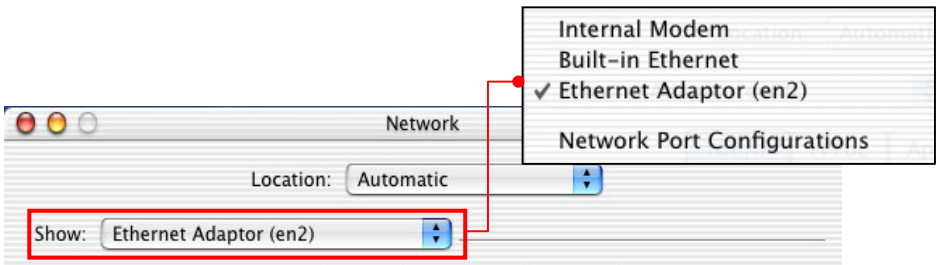
To verify the installation, you can go to **/System/Library/Extensions** to check if **AX88772.kext** is present.



8. Connect the Ethernet adapter to a free USB port.
9. Reboot your Mac.
10. Start **System Preferences** and select **Network**.

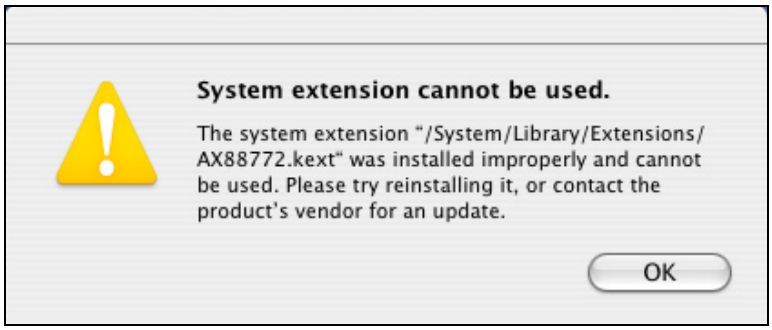


11. You will find that a new Ethernet network interface is available. It's usually named **Ethernet Adapter (en1)** or **Ethernet Adapter (en2)**.



Now you are ready to configure the network settings for network access.

You must use the command line to install the driver as instructed above. Simply copy and paste **AX88772.kext** to the **Extensions** folder will lead to an improper installation as the warning message below:


System extension cannot be used.
The system extension "/System/Library/Extensions/AX88772.kext" was installed improperly and cannot be used. Please try reinstalling it, or contact the product's vendor for an update.
OK

Now the installation is complete. You can connect the adapter to a network device by an Ethernet cable:

1. Connect an Ethernet cable to the Ethernet port on the adapter.
2. Connect the other end of the Ethernet cable to your network hub, switch or router.

The Link LED should light up green to indicate a proper physical connection between the adapter and the network. If the Link LED doesn't light up, please verify the cable connections between all the network devices.

3. Specifications

Items	Descriptions
Network Standards	IEEE 802.3: 10Base-T IEEE 802.3u: 100Base-T
Data Transfer Rates	Ethernet: 10Mbps/20Mbps (Half/Full Duplex) Fast Ethernet: 100Mbps/200Mbps (Half/Full Duplex)
Data Bus	USB 2.0 (1.1 compliant)
LED Indicators	Power, Link
Power Consumption	850mW
Power Management	Suspend mode, hibernation mode
Network Interface	Female RJ45 jack
RAM	Embedded 20KB SRAM for RX packet buffering and 20KB SRAM for TX packet buffering
Operating System Support	Windows 2000, XP, Vista 32/64-bit; Mac OS X 10.x
Dimensions	72 x 52x 26 mm (L x W x H)
Weight	58g
Operating Temperature	0℃ to 70℃
Certifications	FCC, CE

* Specification is subject to change without further notice.

4. Regulatory Compliance

FCC Conditions

This equipment has been tested and found to comply with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference

(2) This device must accept any interference received. Including interference that may cause undesired operation.

CE

This equipment is in compliance with the requirements of the following regulations:
EN 55 022: CLASS B

WEEE Information

For EU (European Union) member users:
According to the WEEE (Waste electrical and electronic equipment) Directive, do not dispose of this product as household waste or commercial waste. Waste electrical and electronic equipment should be appropriately collected and recycled as required by practices established for your country. For information on recycling of this product, please contact your local authorities, your household waste disposal service or the shop where you purchased the product.